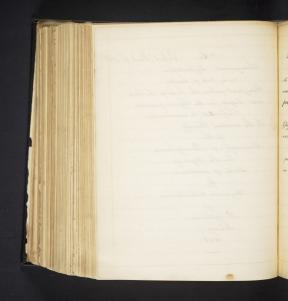
Con Pated . March 10th 1828 Inaugural Difsertation on a case of hugalist Olip-joint where the head of the bone was lodged in the Thyroid foramen Submitted for examination To the medical Theuly University of Landylania For the Degree of Doctor of medicine Benjamin Combinson Jound Samia Tehuary



To Sola Phillips M. D. of Bristle , Bennythania.

Sulary the weight of your hindrey to majored me the received of a medical measurement of a medical measurement of the purent of triener.

I would by law to decline to you this you as an humble tellinous of that goalding which I shall always feel happy in this thing. And that your radicals life may be

presented to an age replik with home as it now is with admination, is the sinew prage of

Your most obexist and beer Grappel pupil, Boujamin & Tomlinson Inaugural Epay ve

Sur is accorded discours, a accident in mean Juggery, that appears to have been heater left upon figure and philosophical principles, than that form of begatiers of the former, or school the bear of the lime is airplaint downwards area formers into the framer the foresteem. The airmanut and kinsiper former of personant and acceptact, by Luggery greatly mirror or their property and acceptact, by Luggery greatly mirror or their property and acceptact, by Luggery greatly mirror or the substitute of the part of the mirror of the mirror of the property of the substitute of the property of the substitute of the substitute

Then charactered her have forely imprepare upon my mind by having late, witnesse an mountageful allempt of resultion of the special of legalion, by Continuous with our hardly to arrive of want of their or toisers in dursay.

After a very few observations I that provide directly to the history and trustment of this



injury the articulation which consult the town of the lower extensions, is one of the most withing of our toy them, not arrive from the extent sometime to the form the extent of its own performing at the office of making them.

It is present by the ruine of the light love, the thingset by anouts, and most procuped number in the duman broky.

It into into a minute total of these pulls unite to injustines and unusury, I that huma speak of the not as hought into retire or as a total or the four of protones, which it course who he had the four of protones which it course who he would be four importance. But more partial makes to applicate to undertained to surptime to applicate of the most partial of the most of the surptiment patient is uncertained in most of the unique times to the unique times to the unique of the total partial of an entire cripple for a longer on the time of a miseable opicitives.



Shis is the only jum of deportion of this joint which exposes the mented to transfer on in any put it agree by the lens is looped in the Region frames, not only the colyletic lighteness me experies more supported of the Shigh must be the light of mounters of the Shigh must be there by the perspect of the Shigh must be there by the perspect of the Shigh must be there by the perspect of the Shigh must

meet with, and in which the larger ones have

In are the other fensey by about of this just the line beaute that enous one consider a since it proportionally diminished.

to participate to no small degree.

The way this occiount generally to his place is by a face lighting upon the fort on lines, when the light is then so come windowly outsweets a made town what hackenessed. In copinite is then then thought the originise light must be to the round



because is not always between, their gives way the probable miger and the mode of the feminist wast in contact with the author in prince pulp of the Minn and the margin of the Move the hear of the libert act as a pelanum to throw the hear of the libert act as a pelanum to forwards into the Minister pranser, upon the Minate principles that are the principles that are the principles that are such as accounted for

The signs which accompany this foundy lighter one the following: the limb is lingthown from two to these inclus, the eggs was interest fort of the thirty and the better somether feet between the other some flyes must be stylled eggs to had ad you since generally getty while the upper and the outer generally getty while the upper and the outer generally getty the thirty when your bothers for your aprenium, it was a company of a days hellow. The fort maintains its natural



pution with the original of it occasionally him himself the but out out the line is found partiable but; and the high is rather in a flexic constitute, being separative from the one the operation side. I saw the operation side of the attention models, from the operation of installation being designative court of the literature of installation being designative court, which is the out owned by joint journ a store code, which is

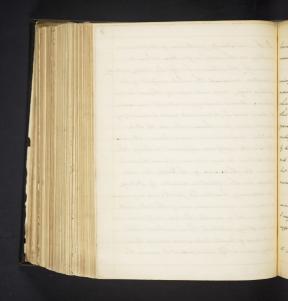
Taken any attempt is made at mathing there is a relating southin in the limb, at stocilize by Description in his guidaline from Byen woulding the scalling of a mover, in the fort he days forward, associating a somiciouslar motion outsineds.

felt from the pubit, to below the middle of the thigh.

There symptems as I have give them are as they convered in a case which rountly came under the notice and care of my Brought It. Things of the with descring the month of July lastthe case is as follows:



P. S. an elderly gentleman of Bristol, was walking on the margin of a hier where he accidently stumbled - his left lig being violently abdusted, received the whole weight of his falling body and was swant thrown out of place, Several unsucceptual attempt were made to rice . and he to somewind until I arrived (my Super being from home; when all the above secribed symptoms were upon him - ato force that South apply was sufficient to being the affected limb in any measure towards the sound me . On the arrival of the Doctor he was placed in the situation directed by & Dorsey for reducing luxation hip joint, and my means of reduction was made use of that he could employ with a double blocked fully manned by hix strong apistant. there, combined with laye done of Emetic Santar, and copious bloodletting were while incompetent to remove the



had of the time in any pereptible measure from it .

Did the sight have for accounting to min the ming the section owners to me and advantaged with special section with security select the security selection of the security Happing where another hands of the security Happing where and there were against help section to the some more of purchase with the source of purchase with the source managing results. There were applying with great pure, that window a collection where up for a temperate thing but a present agreety mesting of a temperate thing to prove a great provide the point was a container upstace to the prime was a container agreety messages of the point was a container agreety messages of the point was a container agreety messages of the point was

She circumstance of this care, ha me to enside more minerally the anather good for part, that appear he salefund of the name who there appeared you have a manuscripted professional with a first of these indearms.

to present the following reasons.

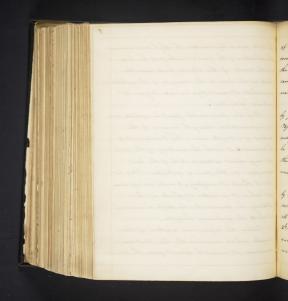


But before I enter upon the causes why the love was not replaced I shall state the heatment of such accidents as vineted by the late Properor Dosty in his Elements of Sugary - He says the patient should be laise on his buck upon a table correct with a matty or polace blankets. Extension and counterestension should be made by securing the patient with a band paper between the pudendum and luxated thigh fastened to a post or stople in the wall . on given into the hands of a sufficient number of afterlands. thus counter extension is made, whilst extension is performed by securing a folded theet or strong bance above the lines by means of a roller proper tightly around the limb at this place. So this, pullies are to be applied , or a sufficient number of apristants to draw the head of the love from it imnatural situation. Thould not this prove succeptul,

he. the it. 10.24 mus he is to pap a line under the thigh and around the shadens of the question, who puts his how metho cried by the elicion and raises the best of the love to the margin of the activition we which it must pap in note to gain it wolands situation.

Thus this formiscable joint is explicit one it unparalleled shought owners to the union of the unions of a lingle man. For it conceins it to be impossible to the anothing of the parts for any direct with the anothing of the parts for any direct in this form of withouting the last but I think it is marken it downers as it is marken in the another of the another than it is marken it thought and have the address that do the third has direction, but one touch a manner of that the appliance hereafter.

Tichen the vigin and instant of them musels which surround the hip first are midned , it must be wisent from the liturion



of the hear of the bene and the highwest moistion of the bink. But they are much upon the stretch, and this unsuffered consistion can only prove a strender to increase their metands combinability.

Should combinability.

Should combinability.

Should we apparate this bind of action by giving peels impulse the their offerts?

My means his words to be weart out then well the words the words the means the street is tried. The street and thould be some that then the then the things the same of th

meene, and this riginal power estantice store for any accountage is to be granted of this move of operating, I am at a life to admine, from their second received it by it is not a direction from the architecture of the methods fire and lastly showed it is upon this contraction or have in some measure to expense for

the strongth of the muscles are entirely



the asstraction of the limb - There issued have contained are contained to these of the most having the most having the most principal, so feel but little desilance in accounting them - After desilance in accounting them - After desilance in this much, I think all conclusion oridents that we settled in a settled and the conclusion oridents that we settled in a line with the bedge left with my made in a line with the bedge left with my made in a line with the bedge left with

differen. This bings me to consider the place and it comes bugging Jago.

pat first: Offer assorbing the accidents the stigns which accompany it are the appeneauce or digestion; they go in to black the mode of greating, which is as fellows:

"The reducation of this dischartion is generally



my eatily effective, If the accident has happened results able that is against is to place the patient upon his been separate the thights as wister as print about a place a girt blivious. The processing man experience part of the thights, for it its a stock in an experience part of the things in the its dance again the author of the suggest that it has dance it over the sound by, and it slips into it such the sound by, and it slips into it such that I have I saw a distribution account.

But in general it is required to fix the police with a girt organic under that estach passes around the Might, otherwise the passes moved in the stand with the head of home Ohme in these coins when he had distriction to do not stand in the follower from what is don't be place the palment upon his side it is but to place the palment upon his side it is feel to palms of one band and comy on the waste the field of the pash to which the publics are

affe, with u li the distance little and dince it me fore who ma ma affixed, then to draw the thigh upwards whilst he sugeon preper down the fort to prevent the lower part of the limb from being drawn with the thigh bone thus the limb is und as a lever of sony Contiduable former. Great care (he goes on to say) must be taken not to advance the by in any considerable degree thereise the head of the thigh bone will be preed believe the acctabeline into the ischialic noteh from whence it cannot often be reduced. To this mode of operating there annot be the Some kind of objection. but though it is more consistent with the mechanism of this joint, yet it does not present itself with that levidity which should accompany a subject of so much

Who officed in being to minute in giving the manner in which that greation is directed, is not for the state of disputing it while he has inquire



into the assure why it proved ineffected to some the beaching I have above related. I that herefore that my views in as contine a manner of pepille.

And with respect to the extension and menter extension, this may prove succepful as M' Coper says in some instances, but in there cases where it does so, it is because the lacoration of the cotylica ligament is such, as to pumit the head of the love to shir through the aparture with but little offert - for if it to the upper part which is town. The extension will have to be Sufficient to raise the head of the lone to its Signit or on a level with the margin of the acetabulum. to effect this without trains the obterator projectionis genini & quarratus muscles is next to imposible but admitting they become so relaxed by fatigue or deprived of their strength by other means, it will avail



but little for the moment the force is amount that moment it will assume its former situation, there hing no impule to direct it towards it articulating write . - but I suppose it is on the contraction of the Alductors we have to depend to perform this office. Then if the abstractors will not so also will the adductors . and I contind their action will & principally that of counteracting the extending I shall now proceed to consider as the last mode of operating, that performed by William How. As I have employed the language of the different authors whose names are inserted in this Chay . I. that consider my thesis much honoured by a transcript from the writings of this truly practical man. " In this species of distoration, as the head of the

love is standing lover than the accordance, it is wither that an extension made in a right line with the hund of the body, much some the boar of the

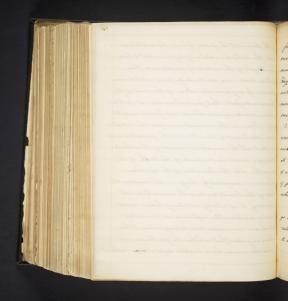


love parther from its peroper place, and thousky prount, instead of a firsting . reduction . The extension night to be made with the thigh at a right angle or inclining somewhat less than a right angle, to the trunk of the body. When the extension has removed the head of the lone from the external obterator muscle, which covers the quat foramen of the or immonimation, the upper part of the or femois must then be pushed or drawn outers and, which motion will be greatly assisted by moving the lower part of the or femoris at the Same moment in a contrary direction, and by a notation motion of the bene upon its own axis turning the head of the bone towards the neetab -· ulum "

The regards this move of operation it will be seen at once to must write a construction resplicit for though it is said the limb should not be assumed in any considerable segme or the hard



of the lone will be forced behind the acctahulum into the ischiatie notch. yet, from what I have hun tought of the nature of musteles and their action, and more particularly, from what I have harned by my aun observation of this part of the human subject, that, for such an accident to take place, would require abnost a physical impossible ilit. Because the moment we new the situation and attachment of the obtivator, the quadratus, and in fact, all the muscles surrounding the articular tion, we must be convinced of the touth of this umark - also the laceration of the capsular .. ligament; necessarily being in the sinction the had of the love takes, and the round ligament according to De Dorsey, not being beken must service considerable influence in presenting such an occurrence ever taking place. And Sam very doubtful whether the gentlemen who gives this advice has a practical acquaintance with it



for such is the narry of the accident that search one practitioner in twenty ever witnesses it, So much is this the case that in the practice of M. Hey who for upwards of thirty years was connected with one of the largest infirmaries in Englance never saw but three cases, all of which were succeptelly treated upon these prosociled principles. I And in the case I have related though the ligwas flexed and extended, or in other words advanted and retracted, the head of the love still retains it unnatural position in respect to this mode of operating it will be sufficient to say the force of four strong men aided by powerful pullies was wholly insufficient to effect a reduction.

To prouse with Mr days operation I shall go on to other my warms why I think it better abulated than the other to rollin the limb to it natural distriction.

And in the first place with respect to the

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muscles. Every one who has diffected these parts a carefully read over their description, is aware that those muscles which about the thish. perform their office by drawing invands and Sliquely upwards, which when put upon the Stutch as they are in this form of luxation must weepsaily draw the head of the bone firmly upon its resting place. That they have this kind of action is demonstrated by the leg being thrown out from it fellow. and as I have stated in my description of the case , no force that I could worly was sufficient to overcome their resistance. The adductors also though differently situated and perform a directly different office, got the manner in which they do it is precisely the same ig inwards and reperands, consequently they must aprist in keeping the head of the line in it innational

position. Our object now is to overcome the resisting a retaining force, Which is to be effected. But by



blessing, nor by nauteating doses of ametic tartar nor by any other means that can be made wer of to relax the muscles, whilst this kind of extension is applied. for should they be as relaxed as they me in the dead subject and the power applied, sufficient to tear the limb from the body, it would only prevent (as Mr Try says) instead of spiriting reduction - Should lateral extension he resorted to ? this has already been answered in the negative. How then shall we proceed, as neither direct now lateral extension are of any source of My answer is in the first place flex the log to less than a right angle with the lody by which the points of muscular insertion are brought mean together consequently the power which was the minipal obstacle is at once oversome in a great degree, The muscles thus being relaxed the head of the bone can with less difficulty be removed from its unnatural situation

my traine of Other answer is in the first thing

will duch . aume it wonther broken with on au. is at once overcome and the bone is heard to to draw experienced and ordinards, all residianes into the honest of on exteriored with directions or with a bouse applies to the part and fuch whom the interned and egylur part of the higher and with the opintance of steph purpose have of the love burred it arteculating couldy in going one by a notating motion dend the Month and bath whilst have procuedings " The direction most required. it admost derectly boursed the archabulume which prefume of the head of the bone, and draw his will where the otherator muddle from the timber extention forwards and expressed. 111 reason why it should not) makerede of a well Sumally - while the la is flyce you'd see

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fers na

The question now present itself. how shall the patient be placed that this operation may be performed? I would answer in the following manner: - first lay him on a table covered by a matters or polouce blankets, upon his sound side, then pass a band around the innominata of the appealed side , so as to go below the antoin Superior spinous process of the ilium across the pulis and under the technolity of the ischimm to be united with the other end of the band which is secured to a posty or staple in the wall - this will effect a compelete counter extending influences not permitting the body to be drawn in any direction by the extending lands and publics which are to be applied as in ordinary cases, affering only in the direction in which they perform their office - an apistant being behind the patient to support his back and another Should be stationed upon the talle, with a

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this din Mark Sigs the affected diese to at to as tile the auticity Mou few he moved to to perform the die the died in this :45 1000 4/50 deer phi rigg.

find or stop sufficiently shows to draw her tigh is above directic. Thus all will be in readingle to appear the reduction.

That I have encourant to give a require to the section; the signs which accompanied it want the different quadras parties on each as they have been directly by the forest when we have been about model to be it regards the two first; I am induced to believe they have severe provide succeptual way it has been by the same means the begation that has been by the same means the begation took place it; accompanied for five first incomes with mechanical principles and thele services only their that might is continued philosophical.

The second present insurmountable applicables and without as has been semastered by a colohasted suggest and Anatomist The

ma coty for. litte byo. for hul Sec

magin of the aestalachem is then off by the copied ligament. It as it found a plane surper for the heart to ship over, is of best little we have a few over, is of best little we have a west placewille. That propound has the last and most one of the their which pro-

suit any justifiable grounds for it undermont. I have given it at full longth, only modifying in a elight styre the situation of the patient for the application of the extending and countries optimizing bands.

I would now armank if my view of the suffect, have not met then of the store multime bugether. It has superiorly gether to be superiorly gether how would be the superiorly but my own commentation in making the aportion touteined in this ofport.

